

HUALAPAI WASH BASIN

09404350 VALENTINE WASH AT VALENTINE, AZ

LOCATION.--Lat 35°23'00", long 113°39'45", in SW¹/₄ sec.15, T.23 N., R.13 W., Mohave County, Hydrologic Unit 15010007, at U.S. Highway 66, 0.3 mi southwest of Valentine.

DRAINAGE AREA.--3.15 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	00-00-63	0		1970	07-00-70	30	ES
1964	08-00-64	5.0	ES	1971	00-00-71	15	ES
1965	10-17-64	20	ES	1972	08-12-72	2,800	
1966	12-09-65	4.0	ES	1973	03-12-73	25	ES
1967	08-20-67	3,800		1974	00-00-74	0	
1968	08-04-68	50	ES	1975	00-00-75	1.0	ES
1969	07-29-69	2.0	LT	1976	00-00-76	10	LT

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
12.7	142	552	2,540	7,090	18,400
Weighted skew	(logs) =	0.37			
Mean	(logs) =	1.18			
Standard dev.	(logs) =	1.19			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
378	3.1	4,490	63.0	1.0	12.1	1.5	3.5

